

Page 44, line 24, after "Acta" change "123" to -- 95 -- .

Page 50, line 5, change "37:1389" to -- 37:684-691 -- .

Page 51, line 24 (under "Example 20"), change "lyophylized" to -- lyophilized -- .

Page 52, line 6, after the first word in the line "The" and before "coupled"
change "Streptavidin" to -- streptavidin -- .

Page 54, line 9, after "chromatographed on" and before "wx (H +) +"
change "Dowex 50" to -- Dowex® 50 -- .

Page 56, line 26 (last line), before "DNA was" change "amine-substituted"
to -- amine-substituted -- .

In the Claims:

Cancel claim 1 (claims 2-149 having been previously cancelled by the continuation request).

Add new claims 150-282 as follows:

-- 150. (NEW) A composition of matter comprising:

a molecular bridging entity comprising a first portion capable of recognizing and binding to a molecularly recognizable portion on an analyte, and a second portion comprising a nucleic acid; and

a signalling entity comprising a nucleic acid portion capable of annealing to and forming a polynucleotide hybrid with said bridging entity nucleic acid second portion, and a signal generating portion capable of providing a detectable signal. --

-- 151. (NEW) The composition according to claim 150, wherein said analyte comprises a biological system. --